

CLAIMS

1. A hydrostatic altimeter comprising:

(a) a base member including a contained fluid reservoir under a reference pressure;

(b) a measurement member including:

(1) differential pressure transducer means for producing a signal corresponding to hydrostatic pressure felt by the transducer means, and

(2) means for converting the signal produced by the transducer means to a corresponding numerical value;

(c) a flexible, elongated fluid link for providing fluid pressure communication between the reservoir and the transducer means;

(d) means for accumulating numerical values while leap frogging the base member and the measurement member over a selected path; and

(e) means for displaying the accumulated total to an operator, the total being the elevational difference between the start of the path and the end of the path.

2. The altimeter according to claim 1 further comprising

means for pre-setting the display to a benchmark elevation before leap frogging.

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